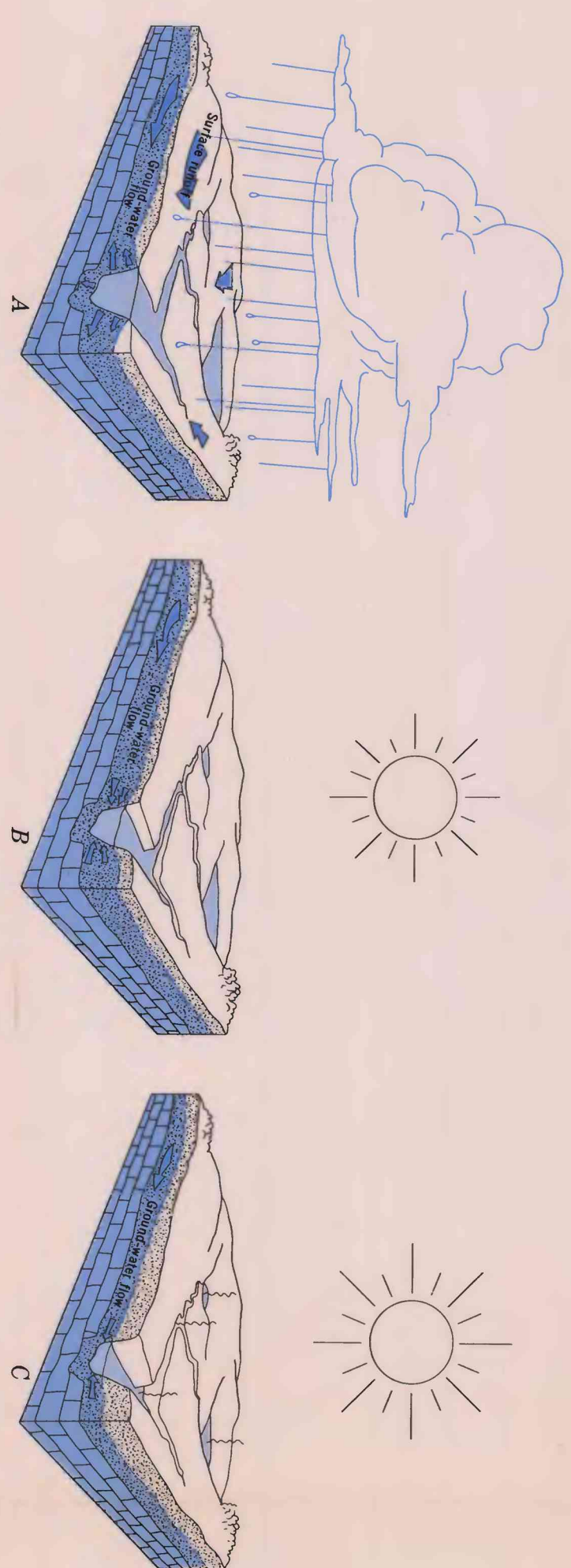


GROUND-WATER—SURFACE-WATER RELATIONSHIPS

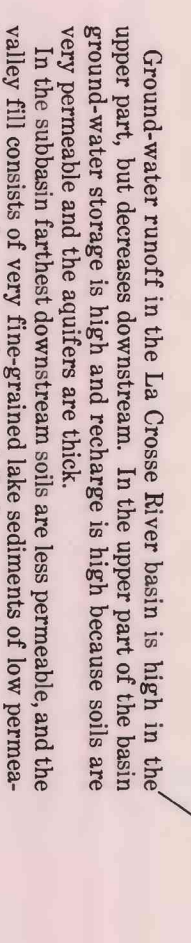
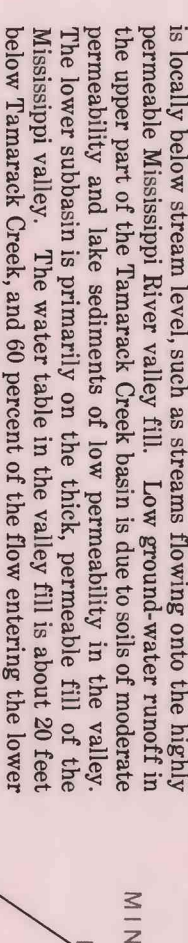
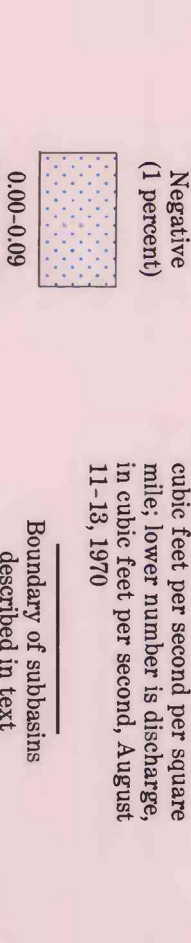
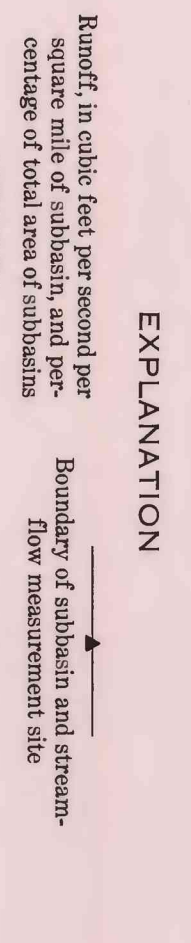
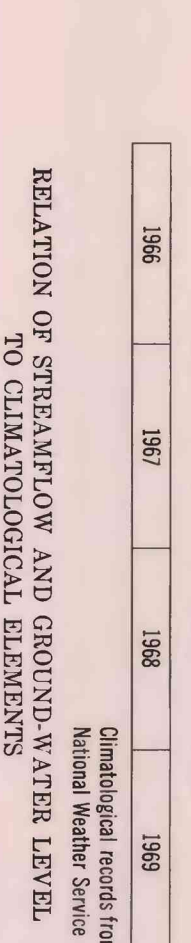
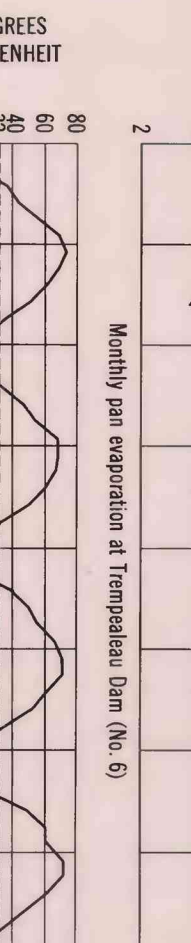
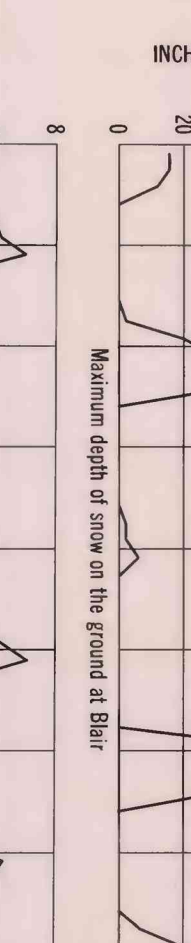
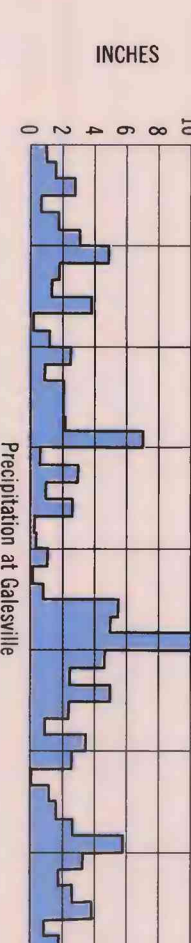
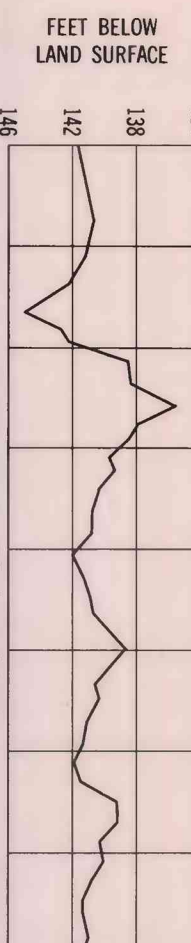
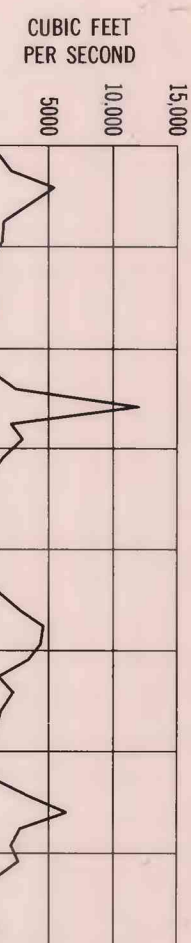
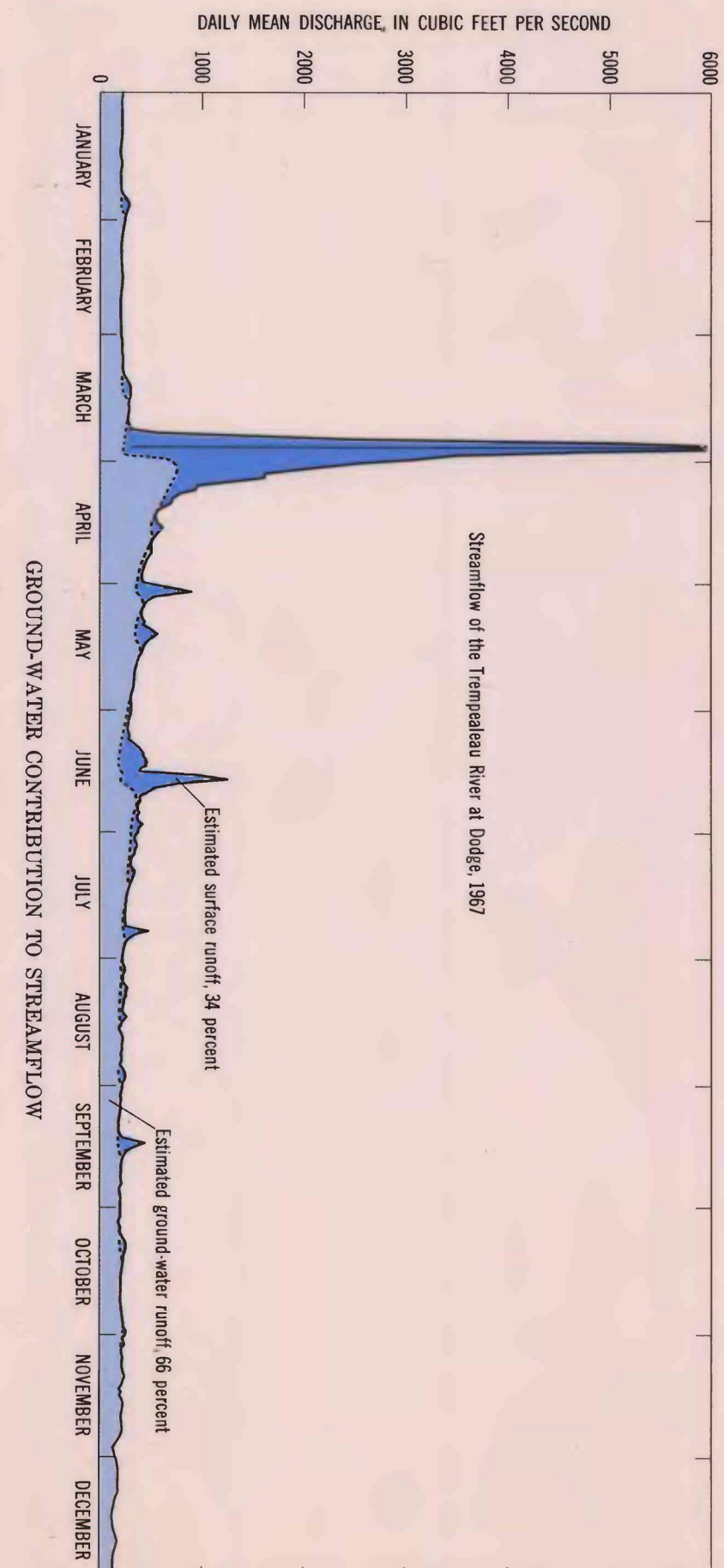
Ground water and surface water are directly related. Both annual and seasonal fluctuations in the amount of water in the ground and on the surface are determined by the same factors. Therefore, a knowledge of the ground-water conditions is essential to a proper understanding of the surface-water conditions.

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RELATIONSHIPS BETWEEN SURFACE WATER AND GROUND WATER

Surface water is a combination of surface and ground-water runoff. During major storms and periods of prolonged heavy rainfall, direct runoff from the surface is the dominant factor in determining the amount of water in the stream. During these periods, the water in the stream is usually of high quality, and the water in the ground is usually of low quality. The water in the stream is usually of high quality, and the water in the ground is usually of low quality. The water in the stream is usually of high quality, and the water in the ground is usually of low quality.



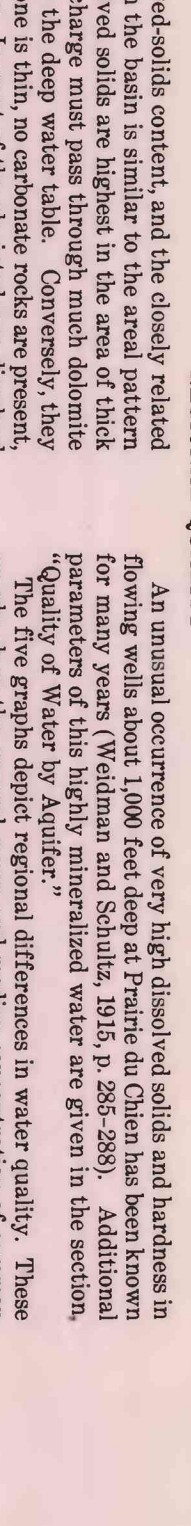
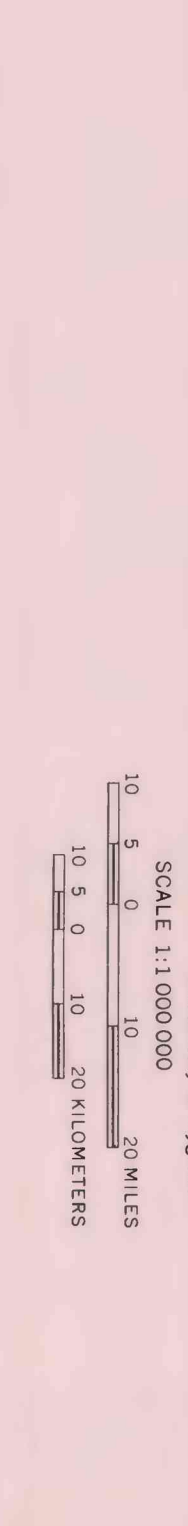
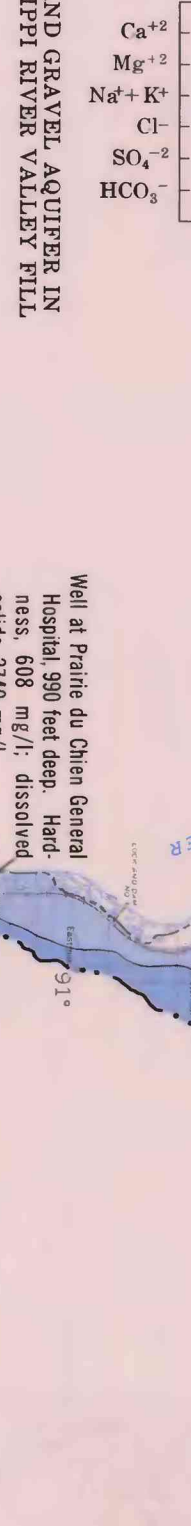
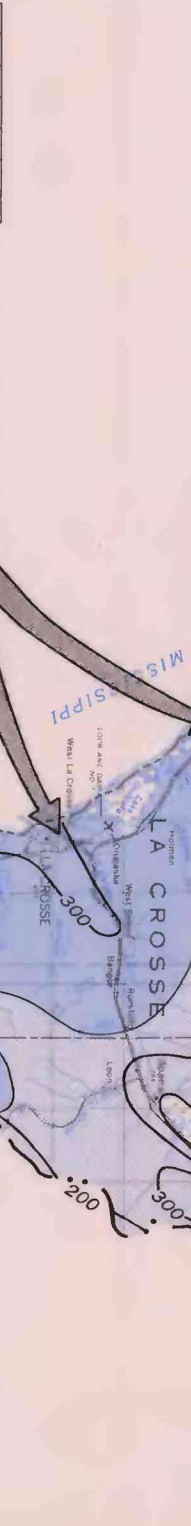
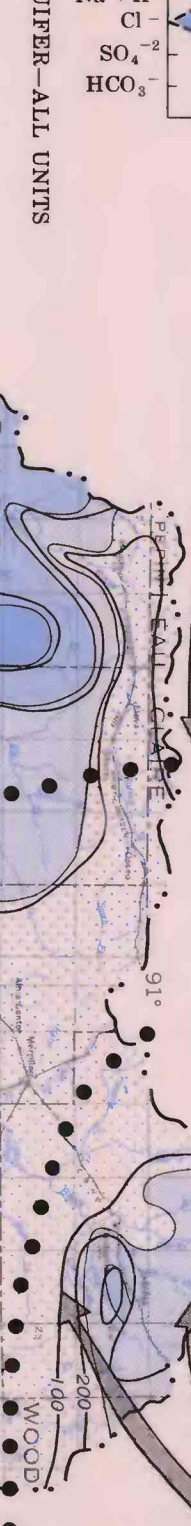
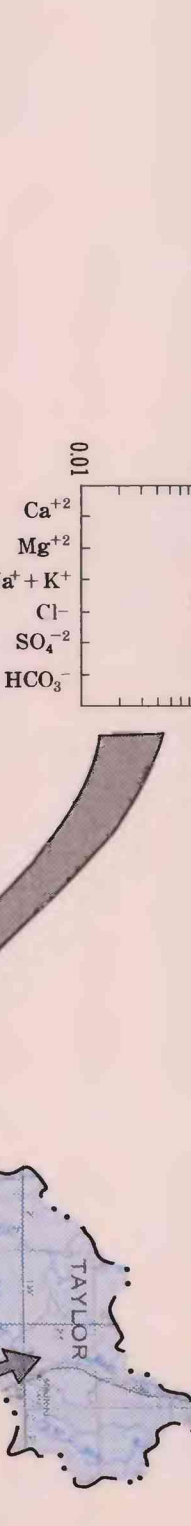
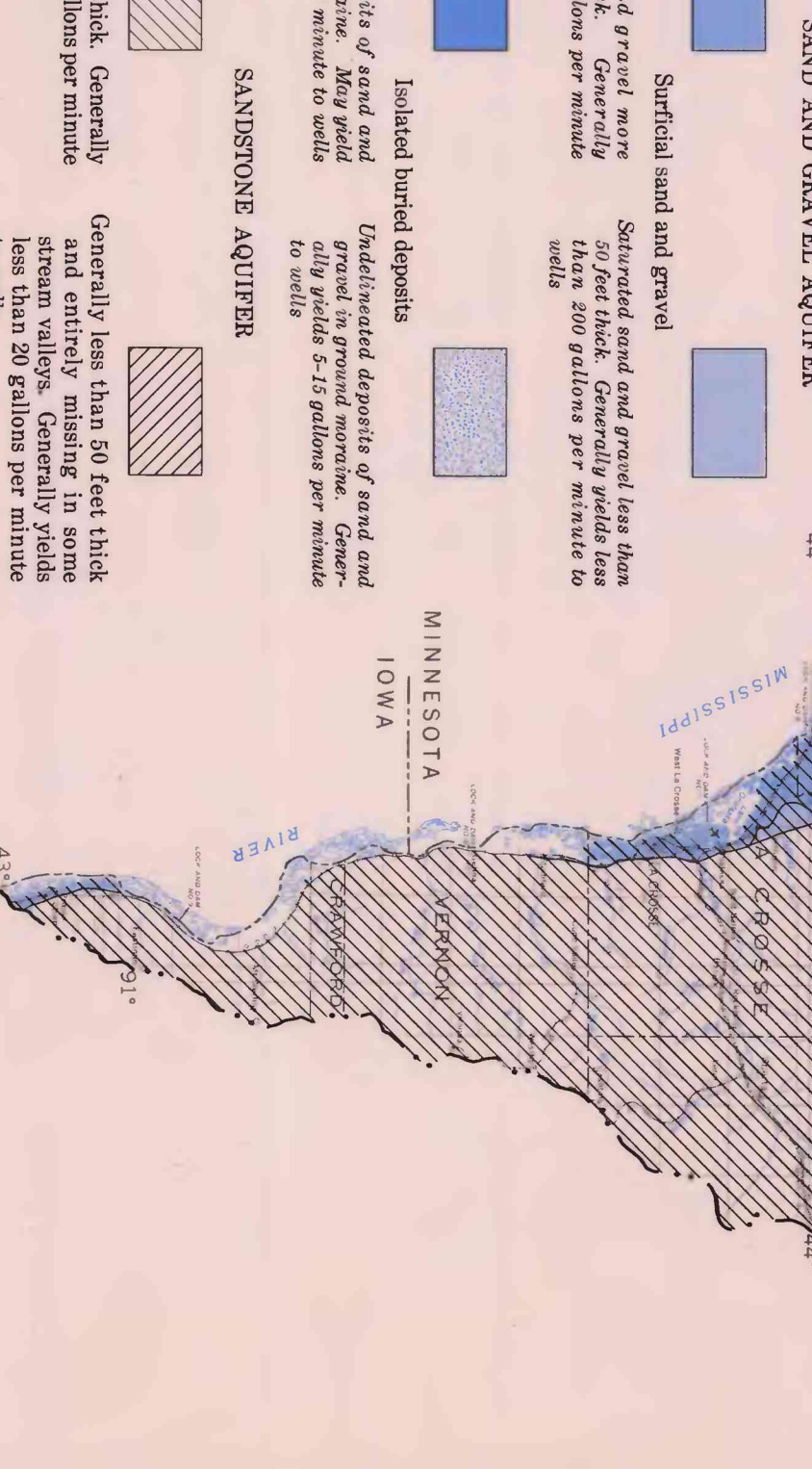
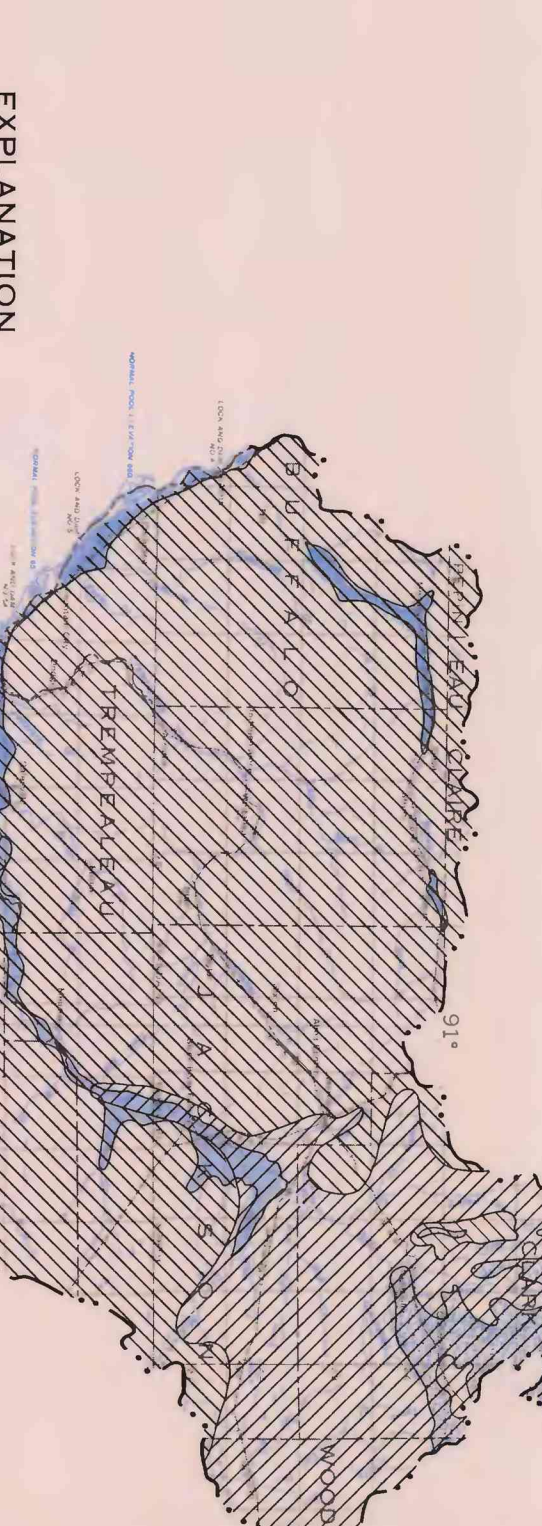
Age	Geologic unit	Thickness (feet)	Maximum yield (gallons per acre-foot)	Water depth (feet)
Quaternary	Recent alluvium	0-200	3,000	800
Quaternary	Recent alluvium	0-200	3,000	800
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GROUND WATER

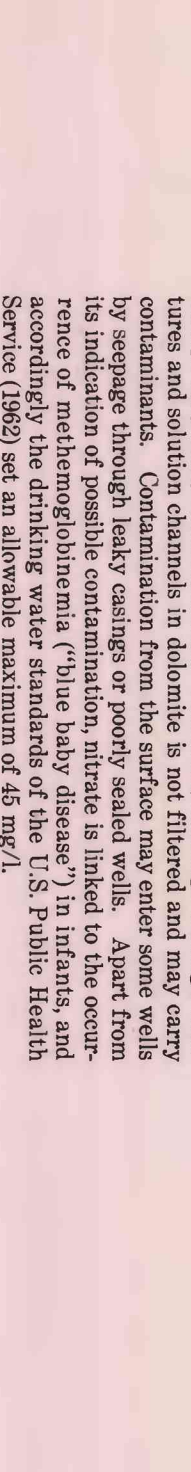
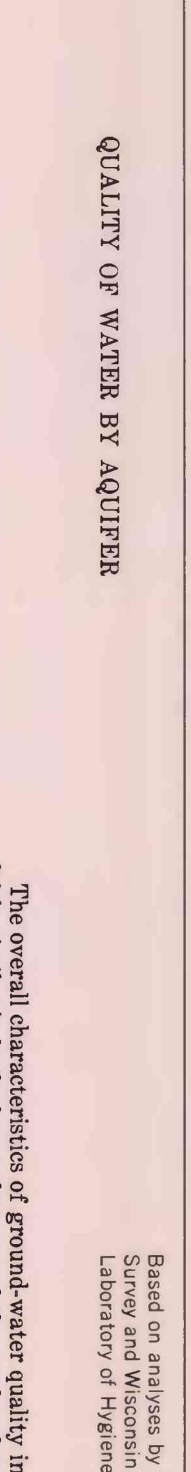
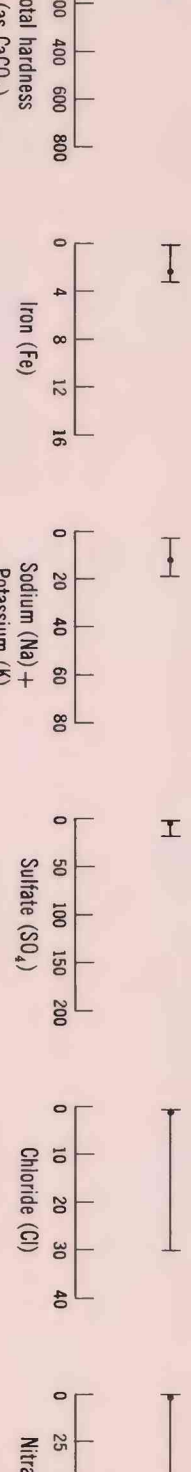
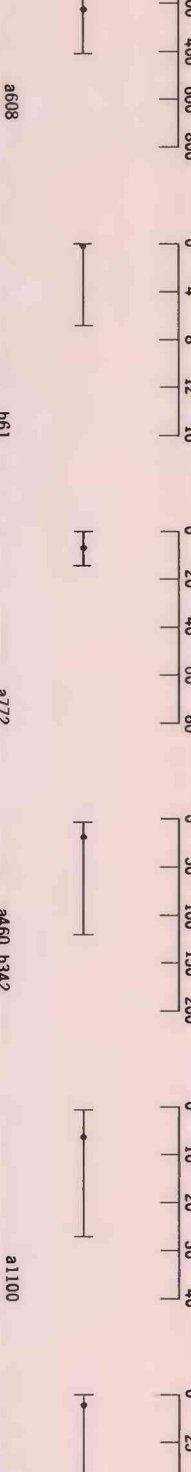
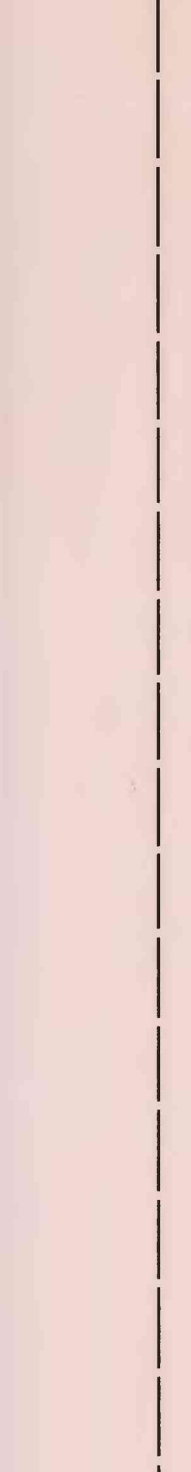
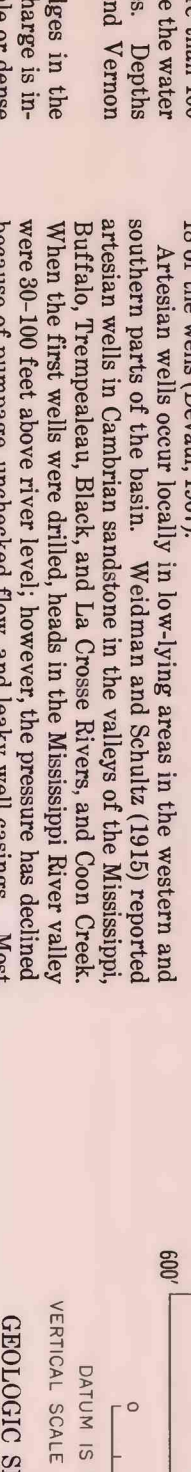
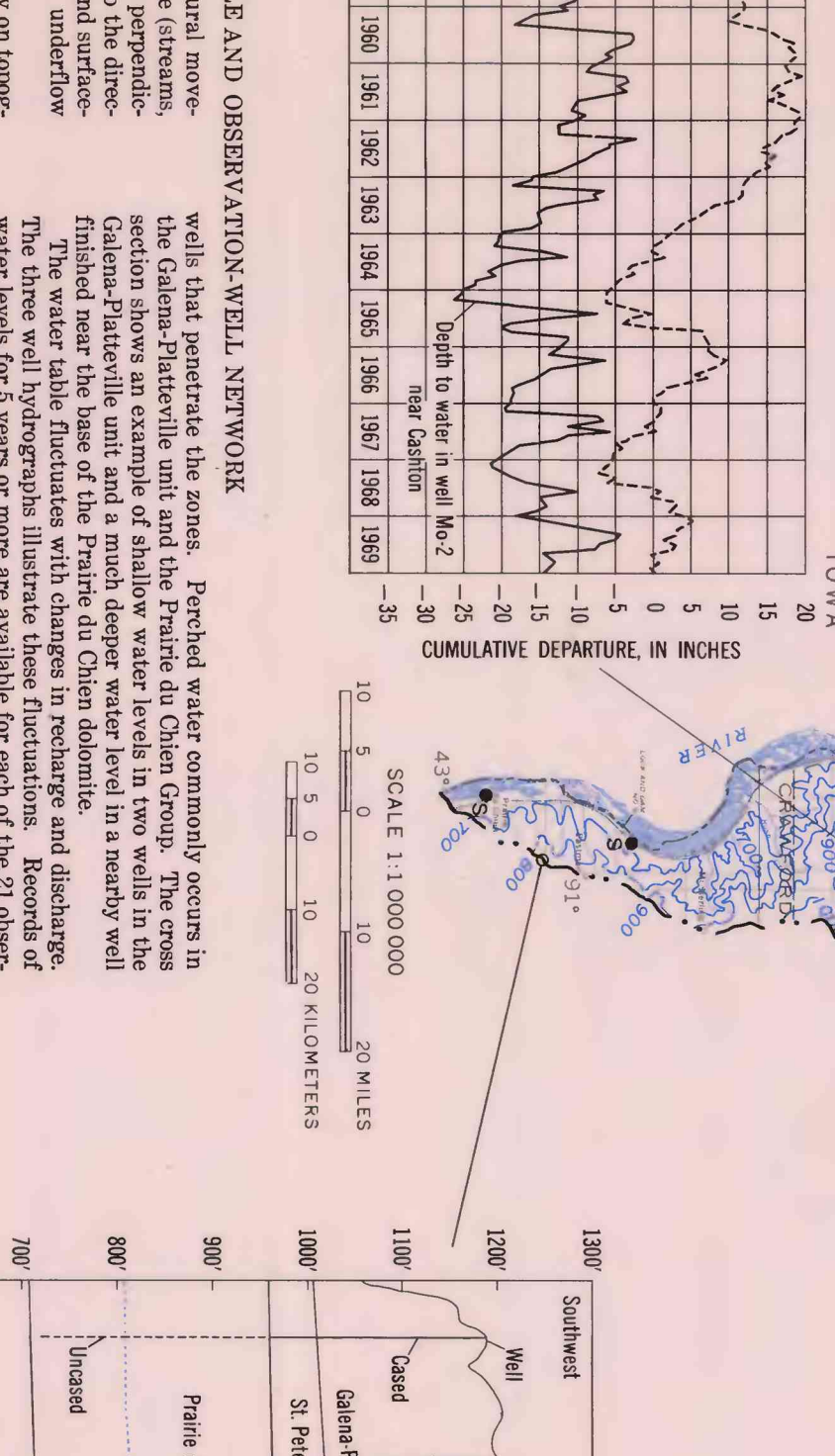
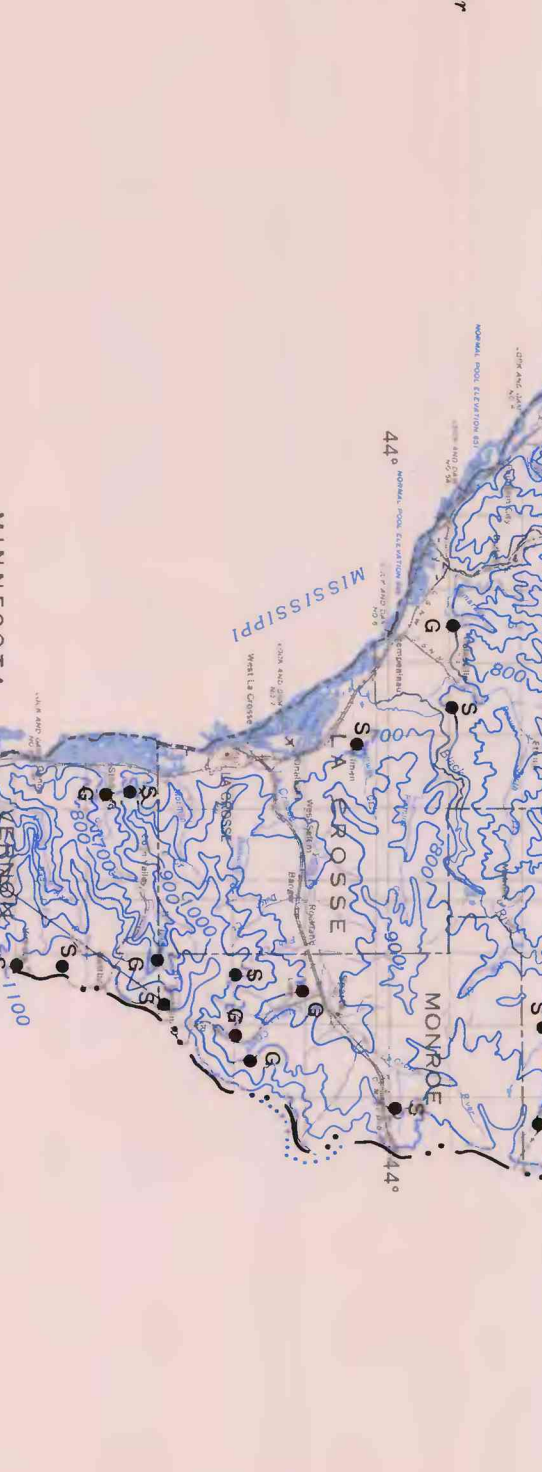
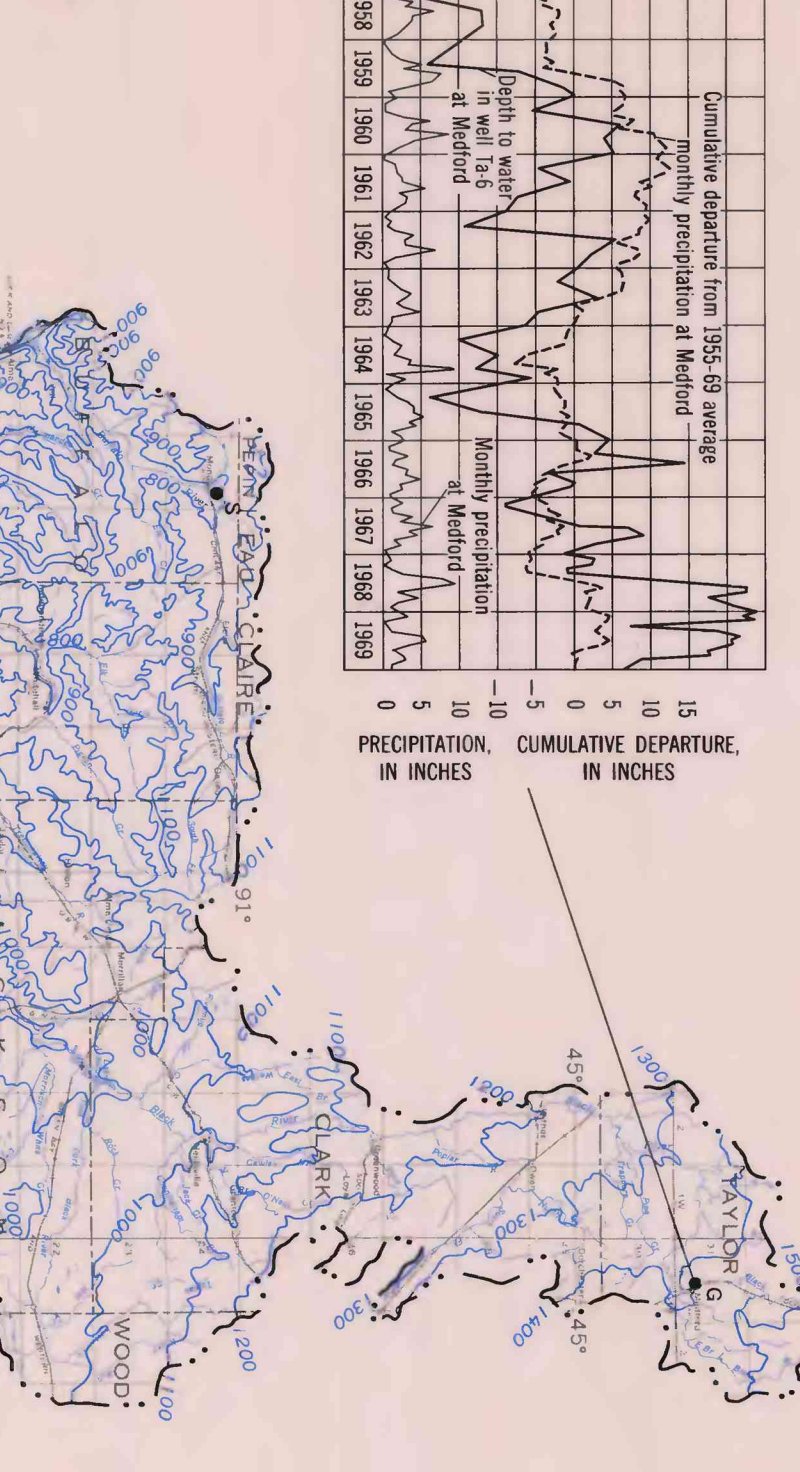
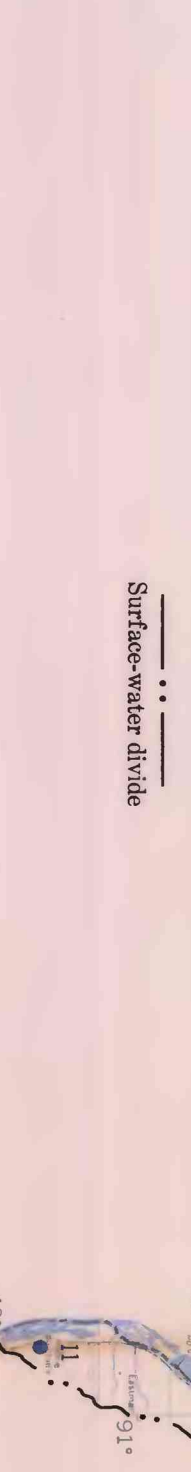
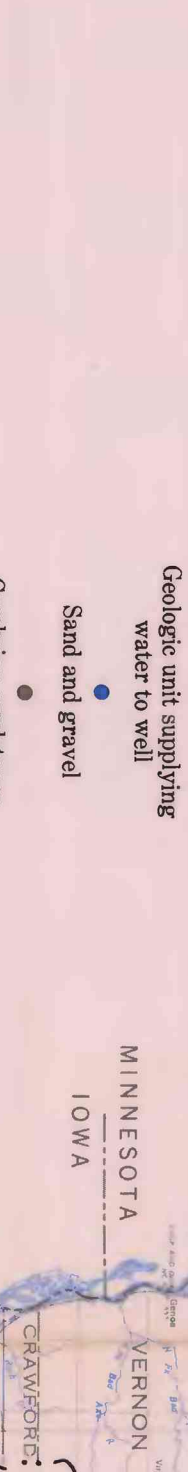
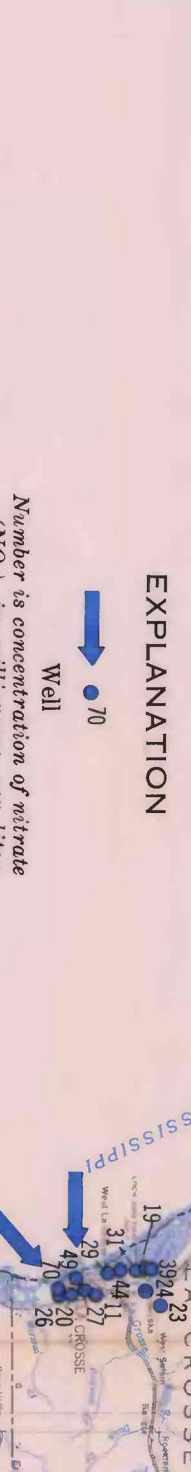
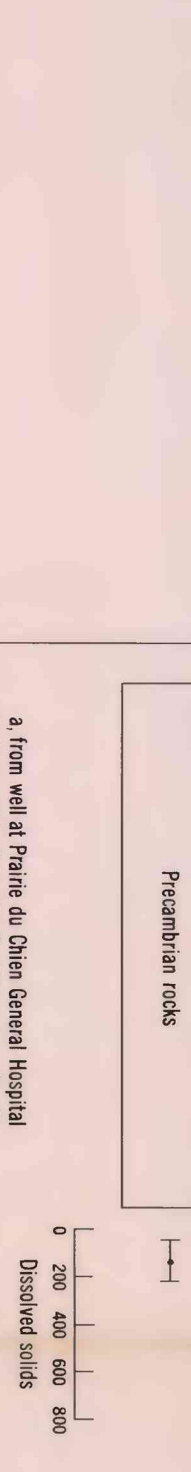
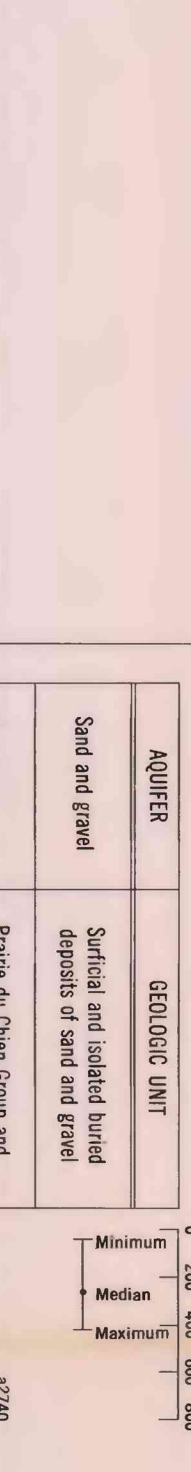
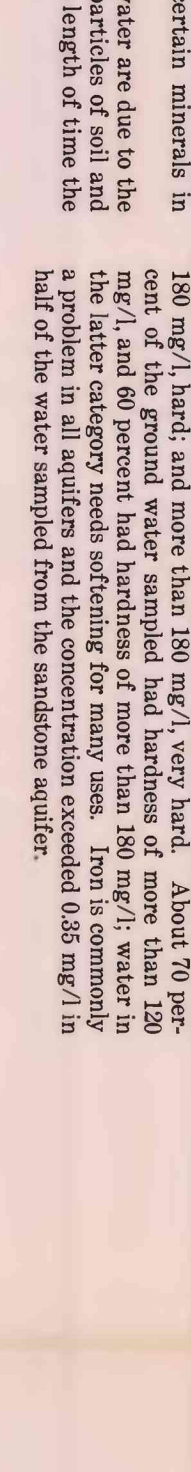
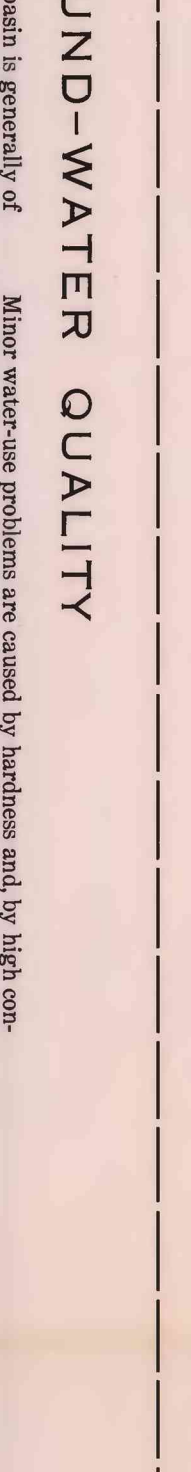
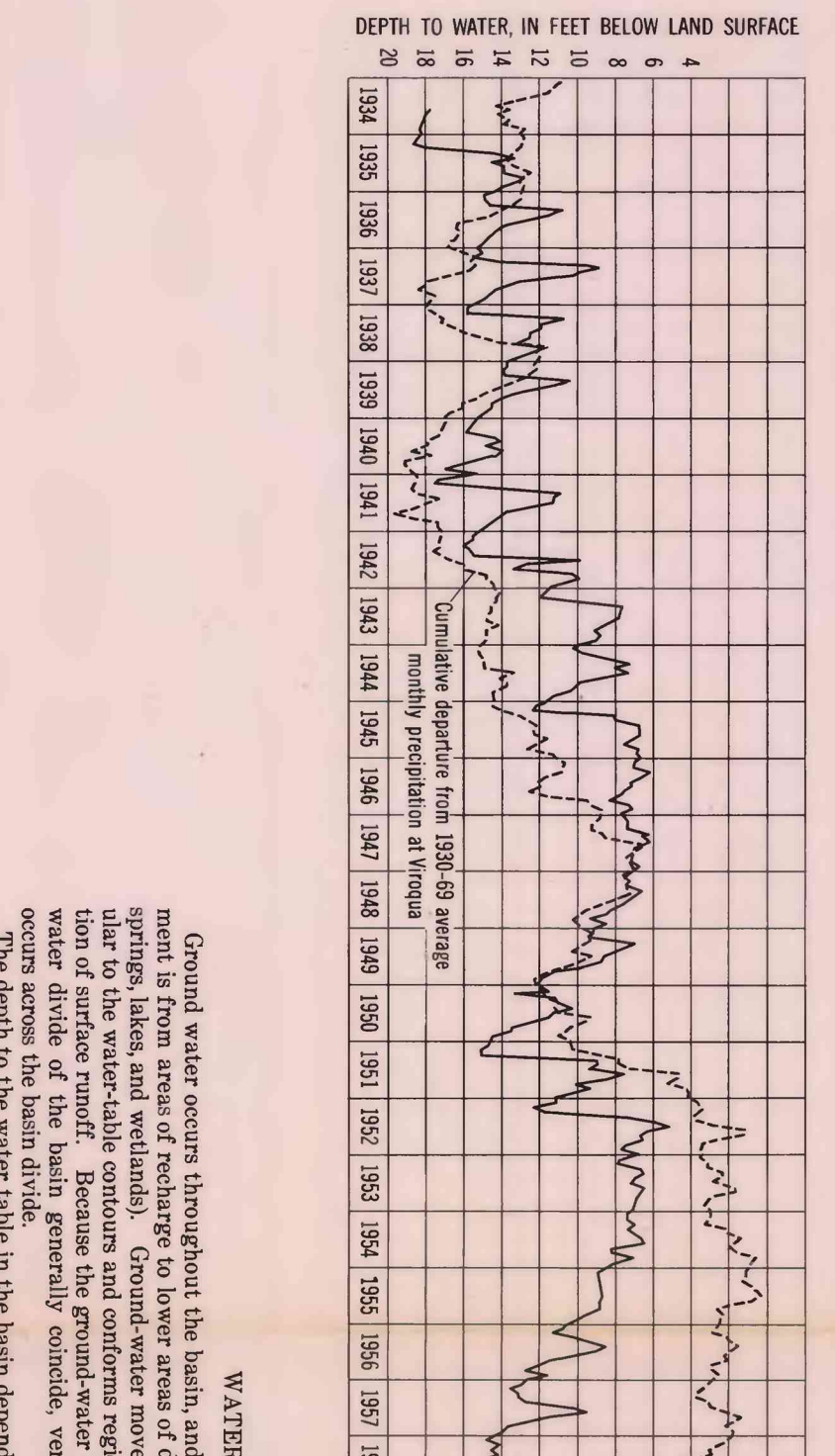
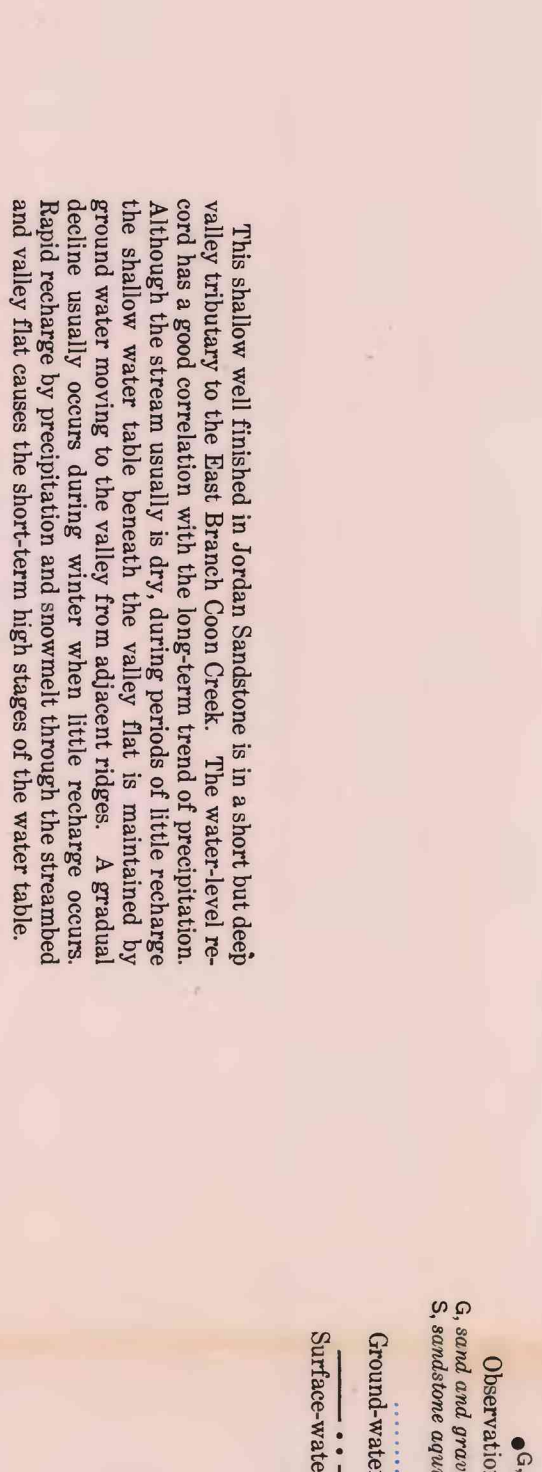
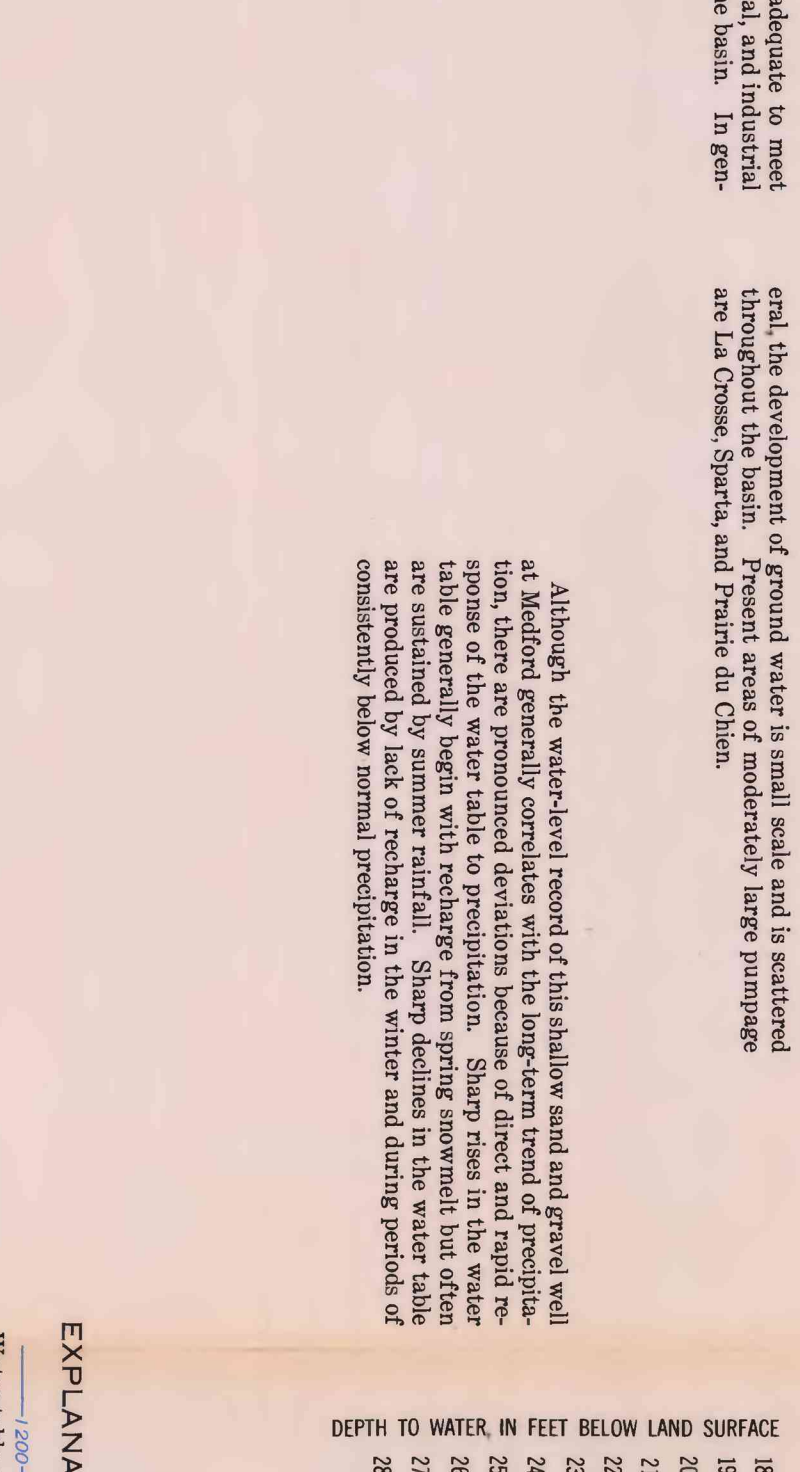
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WATER RESOURCES OF WISCONSIN—TREMPEALEAU-BLACK RIVER BASIN

By H. L. Young and R. G. Borman

1978

